

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2003/002841**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 C12P 17/06, A61K 35/78**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12P A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
STN(CAPLUS), PubMed, eKIPASS**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/0118675 A1 (Doyle H. Waggle et al) 26 June 2003 see the whole document	1-8
A	WO 1999/06057 A (Bombardelli, Ezio et al) 11 February 1999 see the whole document	1-8
A	US 2002/0015776 A1 (Barbara A Bryan et al) 7 February 2002 see the whole document	1-8
A	KR 2001-81369 A (CHO, Kyeong-Sook et al) 29 August 2001 see the whole document	1-8
T	Joo, Seong-soo et al, 'Inhibition of IL-1beta and IL-6 in osteoblast-like cell by isoflavones extracted from Sophorae fructus.' In Arch Pharm Res.26(12):pages 1029-35 (2003) see the whole document	1-8
T	Joo, Seong-Soo et al, 'Isoflavones extracted from Sophorae fructus upregulate IGF-I and TGF-beta and inhibit osteoclastogenesis in rat born marrow cells' In Arch. Pharm. Res. 27(1), pages 99-105 (2004) see the whole document	1-8

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family


Date of the actual completion of the international search

27 FEBRUARY 2004 (27.02.2004)

Date of mailing of the international search report

27 FEBRUARY 2004 (27.02.2004)

Name and mailing address of the ISA/KR


 Korean Intellectual Property Office  
 920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
 Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

WON, Jong Hyeok

Telephone No. 82-42-481-5592



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2003/002841

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003/0118675 A1	26-06-2003	TW 0474930 B	01-02-2002
		JP 10-067770 A2	10-03-1998
		EP 0812837 A1	17-12-1997
		CN 1174839 A	04-03-1998
		CA 2207360 C	13-08-2002
		BR 9703526 A	06-10-1998
		AU 2481397 A1	18-12-1997
WO 1999/06057 A	11-02-1999	US 6607757 A	19-08-2003
		US 6280777 A	28-08-2001
		RU 2183964 C2	27-06-2002
		JP 2003-02838 A2	08-01-2003
		EP 1001797 A1	24-05-2000
		CN 1265037 T	30-08-2000
		AU 9071198 A1	22-02-1999
US 2002/0015776 A1	07-02-2002	None	
KR 2001-81369 A	29-08-2001	None	